

Product data sheet Characteristics

XS108B3PAL2TQ

inductive sensor XS1 M8 - L33mm - brass - Sn2mm - 12..24VDC - cable 2m





Main

Range of product	Telemecanique Inductive proximity sensors XS
Series name	General purpose
Sensor type	Inductive proximity sensor
Sensor name	XS1
Sensor design	Cylindrical M8
Size	33 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Metal
Type of output signal	Discrete
Wiring technique	3-wire
[Sn] nominal sensing distance	2.5 mm
Discrete output function	1 NO
Output circuit type	DC
Discrete output type	PNP
Electrical connection	Cable
Cable length	2 m
[Us] rated supply voltage	1224 V DC with reverse polarity protection
Switching capacity in mA	<= 200 mA with overload and short-circuit protection
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529
Sale per indivisible quantity	20

Complementary

Thread type	M8 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Stainless steel 303
Operating zone	02 mm
Differential travel	115% of Sr
Cable composition	3 x 0.11 mm²
Wire insulation material	PVC
Status LED	Output state: 1 LED (yellow)
Supply voltage limits	1036 V DC
Switching frequency	<= 2500 Hz
Maximum voltage drop	<2 V (closed)
Current consumption	<= 10 mA no-load
Maximum delay first up	10 ms
Maximum delay response	0.2 ms
Maximum delay recovery	0.2 ms

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

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Marking	CE
Threaded length	25 mm
Length	33 mm
Net weight	1.12 kg

Environment

Product certifications	UL[RETURN]CSA
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Offer Sustainability

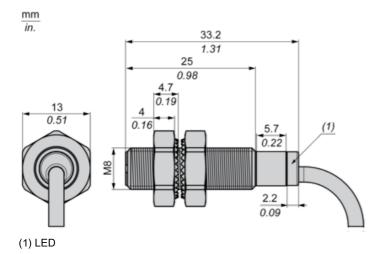
Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	₫Yes

Contractual warranty

14/	10	
Warranty	18 months	
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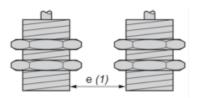
Dimensions



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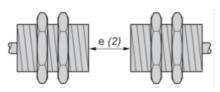
Minimum Mounting Distances in mm

Side by side

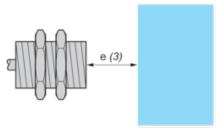


e (1) \geq 5 mm/0.20 in.

Face to face

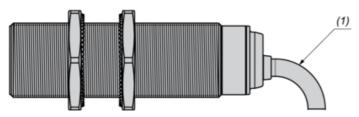


e (2) ≥ 30 mm/1.18 in. Facing a metal object



e (3) \geq 8 mm/0.31 in.

Mounting

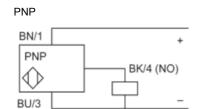


(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

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Wiring Schemes

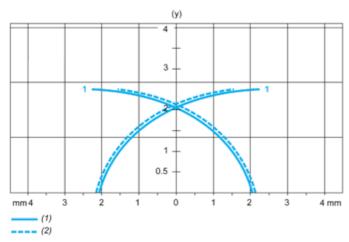


BU : Blue BN : Brown BK : Black

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Performance Curves

Standard Steel Target (mm): 8x8x1



- (1) Pick-up points
- (2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm